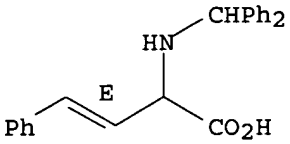
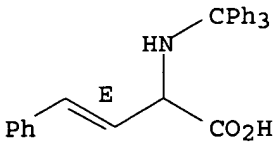
L13 ANSWER 8 OF 65 USPATFULL
IT **185989-14-4P 185989-15-5P 189383-44-6P 201852-50-8P**
**201852-51-9P 201852-52-0P 201852-54-2P 201852-55-3P**
**201852-56-4P 201852-57-5P 201852-58-6P 201852-59-7P**
**201852-60-0P**
(synthesis of amines and amino acids using organoboron derivs.)
RN 185989-14-4 USPATFULL
CN 3-Butenoic acid, 2-[(diphenylmethyl)amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



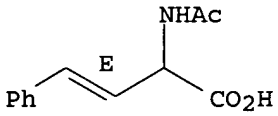

RN 185989-15-5 USPATFULL
CN 3-Butenoic acid, 4-phenyl-2-[(triphenylmethyl)amino]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



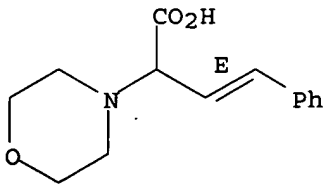

RN 189383-44-6 USPATFULL
CN 3-Butenoic acid, 2-(acetylamino)-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



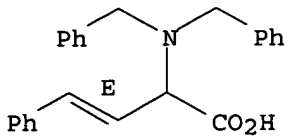

RN 201852-50-8 USPATFULL
CN 4-Morpholineacetic acid, .alpha.-(2-phenylethenyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



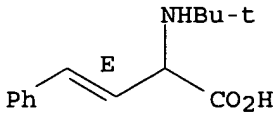

RN 201852-51-9 USPATFULL
CN 3-Butenoic acid, 2-[bis(phenylmethyl)amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



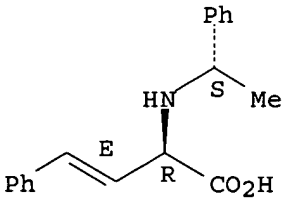
RN 201852-52-0 USPATFULL
CN 3-Butenoic acid, 2-[(1,1-dimethylethyl)amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



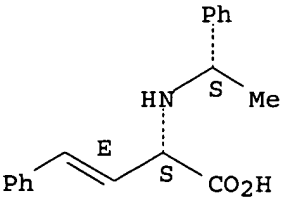
RN 201852-54-2 USPATFULL
CN 3-Butenoic acid, 4-phenyl-2-[(1-phenylethyl)amino]-, [S-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



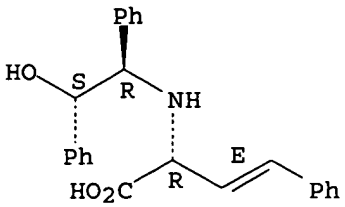
RN 201852-55-3 USPATFULL
CN 3-Butenoic acid, 4-phenyl-2-[(1-phenylethyl)amino]-, [S-[R*,R*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



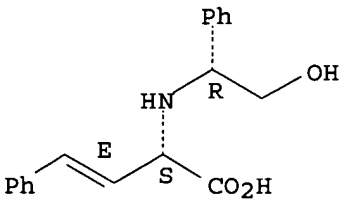
RN 201852-56-4 USPATFULL
CN 3-Butenoic acid, 2-[(2-hydroxy-1,2-diphenylethyl)amino]-4-phenyl-, [1R-[1R*(2R*,3E),2S*]]- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



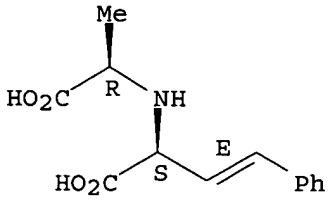
RN 201852-57-5 USPATFULL
CN 3-Butenoic acid, 2-[(2-hydroxy-1-phenylethyl)amino]-4-phenyl-, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



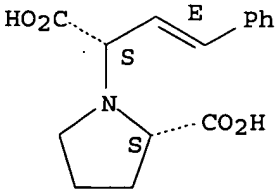
RN 201852-58-6 USPATFULL
CN 3-Butenoic acid, 2-[(1-carboxyethyl)amino]-4-phenyl-, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



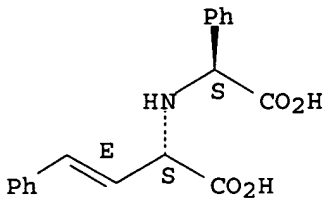
RN 201852-59-7 USPATFULL
CN 1-Pyrrolidineacetic acid, 2-carboxy-.alpha.-(2-phenylethenyl)-, [S-[R*,R*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RN 201852-60-0 USPATFULL
CN Benzeneacetic acid, .alpha.-[(1-carboxy-3-phenyl-2-propenyl)amino]-, [S-[R*,R*-(E)]]- (9CI) (CA INDEX NAME)

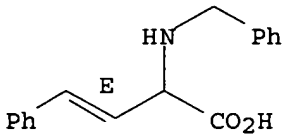
Absolute stereochemistry.
Double bond geometry as shown.



IT **185989-13-3P 185989-18-8P 185989-19-9P 185989-20-2P**
**185989-21-3P 185989-23-5P 201852-11-1P 201852-25-7P**
**201852-26-8P 201852-27-9P 202198-75-2P**
(synthesis of amines and amino acids using organoboron derivs.)

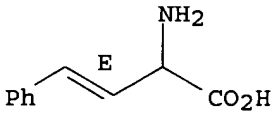
RN 185989-13-3 USPATFULL
CN 3-Butenoic acid, 4-phenyl-2-[(phenylmethyl)amino]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 185989-18-8 USPATFULL
CN 3-Butenoic acid, 2-amino-4-phenyl-, hydrochloride, (E)- (9CI) (CA INDEX NAME)

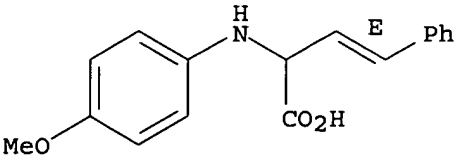
Double bond geometry as shown.



● HCl

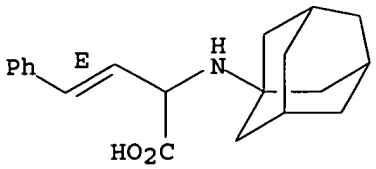
RN 185989-19-9 USPATFULL
CN 3-Butenoic acid, 2-[(4-methoxyphenyl)amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



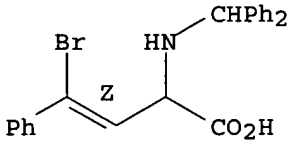
RN 185989-20-2 USPATFULL
CN 3-Butenoic acid, 4-phenyl-2-(tricyclo[3.3.1.13,7]dec-1-ylamino)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



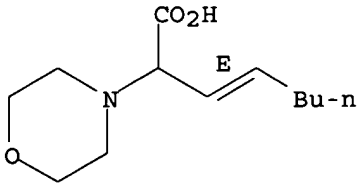
RN 185989-21-3 USPATFULL
CN 3-Butenoic acid, 4-bromo-2-[(diphenylmethyl)amino]-4-phenyl-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



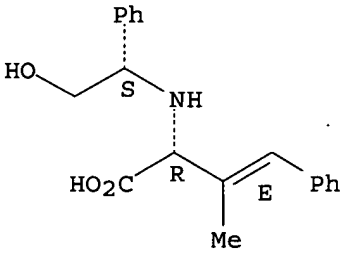
RN 185989-23-5 USPATFULL
CN 4-Morpholineacetic acid, .alpha.-1-hexenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



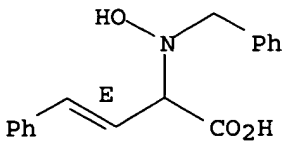
RN 201852-11-1 USPATFULL
CN 3-Butenoic acid, 2-[(2-hydroxy-1-phenylethyl)amino]-3-methyl-4-phenyl-, [S-[R*,S*-(E)]]- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



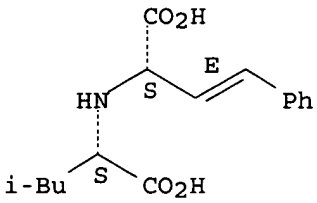
RN 201852-25-7 USPATFULL
CN 3-Butenoic acid, 2-[hydroxy(phenylmethyl)amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



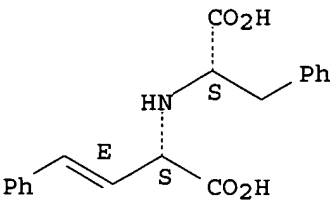
RN 201852-26-8 USPATFULL
CN L-Leucine, N-[(1S,2E)-1-carboxy-3-phenyl-2-propenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



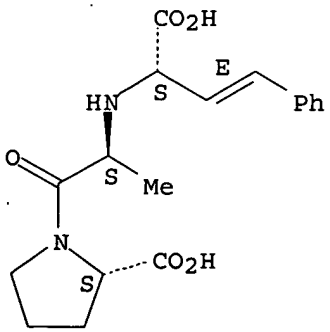
RN 201852-27-9 USPATFULL
CN L-Phenylalanine, N-[(1S,2E)-1-carboxy-3-phenyl-2-propenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



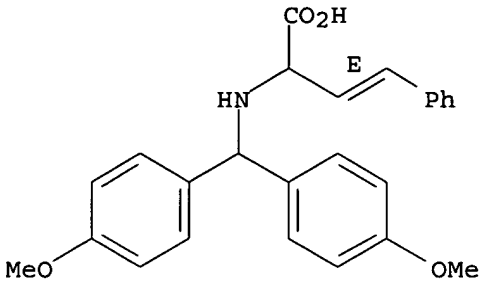
RN 202198-75-2 USPATFULL
CN L-Proline, N-[(1S,2E)-1-carboxy-3-phenyl-2-propenyl]-L-alanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



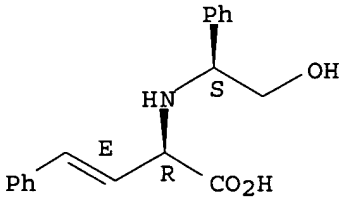
IT **185989-17-7P 185989-26-8P**
(synthesis of amines and amino acids using organoboron derivs.)
RN 185989-17-7 USPATFULL
CN 3-Butenoic acid, 2-[[bis(4-methoxyphenyl)methyl]amino]-4-phenyl-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.




RN 185989-26-8 USPATFULL
CN 3-Butenoic acid, 2-[[(1S)-2-hydroxy-1-phenylethyl]amino]-4-phenyl-, (2R,3E)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L11 ANSWER 205 OF 252 USPATFULL
ACCESSION NUMBER: 88:11503 USPATFULL
TITLE: 3-Halovinylglycine antibacterial agents
INVENTOR(S): Taub, David, Metuchen, NJ, United States
Abeles, Robert H., Newton Centre, MA, United States
Patchett, Arthur A., Westfield, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 4727062 | | 19880223 |
| APPLICATION INFO.: | US 1986-840254 | | 19860317 (6) |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.
ASSISTANT EXAMINER: Chan, Yen-Li Christina
LEGAL REPRESENTATIVE: North, Robert J., Pfeiffer, Hesna J., Levitt, Julian S.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 689
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

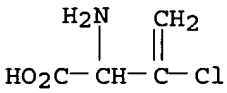
=> d ibib 203

L11 ANSWER 203 OF 252 USPATFULL
ACCESSION NUMBER: 89:13023 USPATFULL
TITLE: 3-halovinylglycine antibacterial agents
INVENTOR(S): Taub, David, Metuchen, NJ, United States
Abeles, Robert H., Newton Centre, MA, United States
Patchet, Arthur A., Westfield, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 4806680 | | 19890221 |
| APPLICATION INFO.: | US 1987-119527 | | 19871112 (7) |

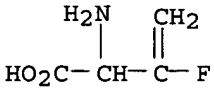
RELATED APPLN. INFO.: Division of Ser. No. US 1986-840254, filed on 17 Mar 1986
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lieberman, Paul
ASSISTANT EXAMINER: Kirschner, Helene
LEGAL REPRESENTATIVE: North, Robert J., Pfeiffer, Hesna J.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
LINE COUNT: 655
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 205 OF 252 USPATFULL
SUMM The salts of this invention are pharmacologically acceptable nontoxic **derivatives** which can
be used as the active ingredient in suitable unit dosage pharmaceutical forms. Also, they may be
combined with. . .
IT **111581-51-2P 111581-52-3P 111687-16-2P 111687-17-3P**
**111687-18-4P 111687-19-5P 113582-45-9P 113582-46-0P**
**113582-47-1P 113582-48-2P 113582-51-7P 113582-53-9P**
**113582-55-1P 113582-57-3P 113582-59-5P 113582-61-9P**
**113597-10-7P**
(prepn. of, as bactericide)
IT **111581-51-2P 111581-52-3P 111687-16-2P 111687-17-3P**
**111687-18-4P 111687-19-5P 113582-45-9P 113582-46-0P**
**113582-47-1P 113582-48-2P 113582-51-7P 113582-53-9P**
**113582-55-1P 113582-57-3P 113582-59-5P 113582-61-9P**
**113597-10-7P**
(prepn. of, as bactericide)
RN 111581-51-2 USPATFULL
CN 3-Butenoic acid, 2-amino-3-chloro-, hydrochloride (9CI) (CA INDEX NAME)



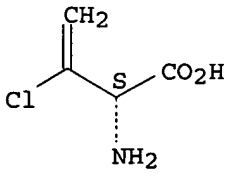
● HCl

RN 111581-52-3 USPATFULL
CN 3-Butenoic acid, 2-amino-3-fluoro- (9CI) (CA INDEX NAME)



RN 111687-16-2 USPATFULL
CN 3-Butenoic acid, 2-amino-3-chloro-, hydrochloride, (S)- (9CI) (CA INDEX NAME)

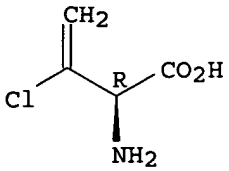
Absolute stereochemistry.



● HCl

RN 111687-17-3 USPATFULL
CN 3-Butenoic acid, 2-amino-3-chloro-, hydrochloride, (R)- (9CI) (CA INDEX NAME)

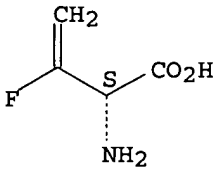
Absolute stereochemistry.



● HCl

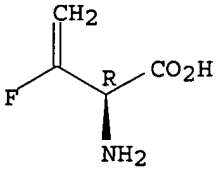
RN 111687-18-4 USPATFULL
CN 3-Butenoic acid, 2-amino-3-fluoro-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 111687-19-5 USPATFULL
CN 3-Butenoic acid, 2-amino-3-fluoro-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

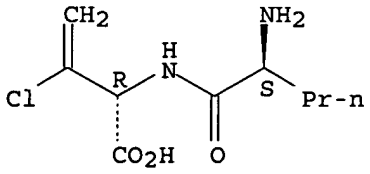


RN 113582-45-9 USPATFULL
CN Butanoic acid, L-norvalyl-3-chloro-3,4-didehydro-L-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

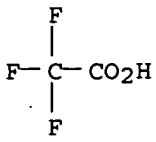
CRN 113582-44-8
CMF C9 H15 Cl N2 O3
CDES 5:L,L

Absolute stereochemistry.



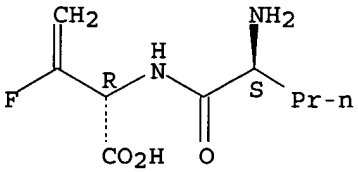
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 113582-46-0 USPATFULL
CN Butanoic acid, L-norvalyl-3,4-didehydro-3-fluoro-L-2-amino- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

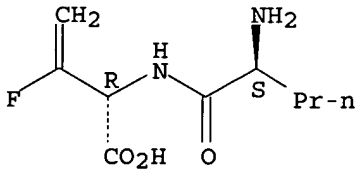


RN 113582-47-1 USPATFULL
CN Butanoic acid, L-norvalyl-3,4-didehydro-3-fluoro-L-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

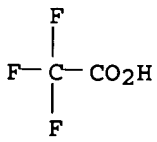
CRN 113582-46-0
CMF C9 H15 F N2 O3
CDES 5:L,L

Absolute stereochemistry.



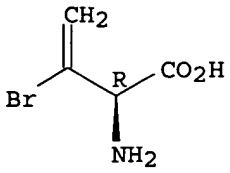
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 113582-48-2 USPATFULL
CN 3-Butenoic acid, 2-amino-3-bromo-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

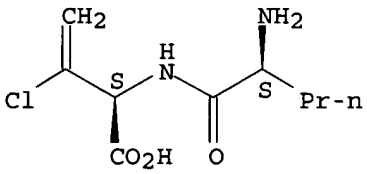


RN 113582-51-7 USPATFULL
CN Butanoic acid, L-norvalyl-3-chloro-3,4-didehydro-D-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

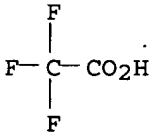
CRN 113582-50-6
CMF C9 H15 Cl N2 O3
CDES 5:L,D

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

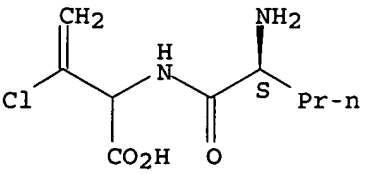


RN 113582-53-9 USPATFULL
CN 3-Butenoic acid, 2-[(2-amino-1-oxopentyl)amino]-3-chloro-, stereoisomer, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

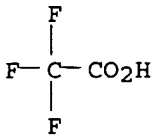
CRN 113582-52-8
CMF C9 H15 Cl N2 O3
CDES 5:L,DL

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

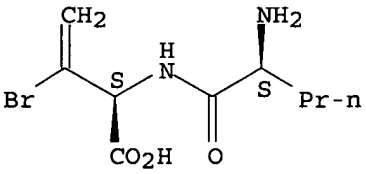


RN 113582-55-1 USPATFULL
CN Butanoic acid, L-norvalyl-3-bromo-3,4-didehydro-D-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

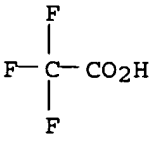
CRN 113582-54-0
CMF C9 H15 Br N2 O3
CDES 5:L,D

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

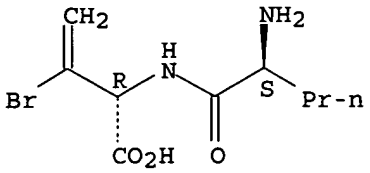


RN 113582-57-3 USPATFULL
CN Butanoic acid, L-norvalyl-3-bromo-3,4-didehydro-L-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

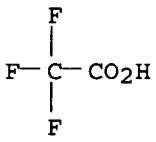
CRN 113582-56-2
CMF C9 H15 Br N2 O3
CDES 5:L,L

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

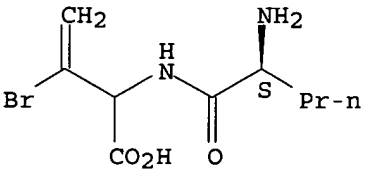


RN 113582-59-5 USPATFULL
CN 3-Butenoic acid, 2-[(2-amino-1-oxopentyl)amino]-3-bromo-, stereoisomer, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

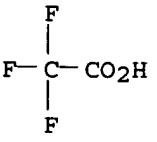
CRN 113582-58-4
CMF C9 H15 Br N2 O3
CDES 5:L,DL

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

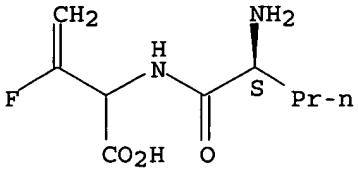


RN 113582-61-9 USPATFULL
CN 3-Butenoic acid, 2-[(2-amino-1-oxopentyl)amino]-3-fluoro-, stereoisomer, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

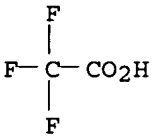
CRN 113582-60-8
CMF C9 H15 F N2 O3
CDES 5:L,DL

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

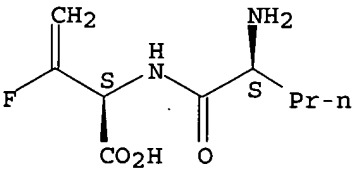


RN 113597-10-7 USPATFULL
CN Butanoic acid, L-norvalyl-3,4-didehydro-3-fluoro-D-2-amino-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

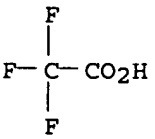
CRN 113597-09-4
CMF C9 H15 F N2 O3
CDES 5:L,D

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



1 ANSWER 205 OF 252 USPATFULL
ACCESSION NUMBER: 88:11503 USPATFULL
TITLE: 3-Halovinylglycine antibacterial agents
INVENTOR(S): Taub, David, Metuchen, NJ, United States
Abeles, Robert H., Newton Centre, MA, United States
Patchett, Arthur A., Westfield, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 4727062 | | 19880223 |
| APPLICATION INFO.: | US 1986-840254 | | 19860317 (6) |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.
ASSISTANT EXAMINER: Chan, Yen-Li Christina
LEGAL REPRESENTATIVE: North, Robert J., Pfeiffer, Hesna J., Levitt, Julian S.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 689
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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